

Product datasheet for **SC126739**

zinc finger protein 112 (ZNF112) (NM_013380) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	zinc finger protein 112 (ZNF112) (NM_013380) Human Untagged Clone
Tag:	Tag Free
Symbol:	zinc finger protein 112
Synonyms:	ZFP112; ZNF228
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC126739 sequence for NM_013380 edited (data generated by NextGen Sequencing)

ATGGTGACATTCAAGGATGTTGCTGTGGTCTTCACTGAGGAGGAGCTGGGGCTGCTGGAC
TCTGTCCAGAGGAAGCTGTACCGAGATGTGATGCTGGAGAATTCAGGAACCTGCTCTTA
GTAGCACATCAGCCCTTCAAGCCAGACCTAATATCCCAGCTGGAGAGAGAAGAAAAGCTT
TTGATGGTGGAGACAGAAACCCCAAGGGATGGATGTTTCAAGGAAGGAAGAATCAACAAAAG
ATGGAGAGTATTCAGGAAGTAACAGTAAGCTACTTTTCCCCCAAAGAGCTTTCTCCCGT
CAGACCTGGCAACAAAGTGCAGGTGGGTTAATCAGGTGTCAAGATTTCTGAAAGTTTTT
CAAGGGAAGAATTCTCAGTTGCAAGAACAAGGTAATTCCTCGGCCAGGTTTGGGCAGGA
ATACCAGTTCAGATTTCTGAAGATAAGAACTATATATTGACTCATATAGGGAATGGCTCC
AATTATATAAAAAGTCAAGGGTATCCATCTTGGAGGGCACATCATTCTTGGAGGAAAATG
TATCTGAAAGAGTCACATAATTATCAGTGTAGATGTCAGCAAATTTCCATGAAAAATCAT
TTCTGTAAGTGTGACAGTGTGAGTTGGCTCTCACATCACAATGATAAACTGGAAGTACAC
AGAAAAGAAAACACAGCTGCCATGACTGTGGAGAAGATATCATGAAGGTATCATTACTT
AATCAGGAGTCAATTCAAACAGAGGAGAAGCCCTATCCATGTACTGGGTATAGAAAAGCC
TTCAGTAATGACTCCAGCTCTGAAGTTCATCAGCAGTTTCACTTGAAGGGAAGCCCTAT
ACATACAGTTCATGTGGAAGGGCTGTAATTATAGTTCACCTTCTCATATTCATCAAAAT
ATTGAGAGAGAAGATGATATTGAGAATTCACATCTGAAATCCTATCAGAGAGTGCATACA
GAGGAGAAACCATGCAAAATGTGGTGAATATGGTGAGAATTCATCACTGTTCCCTCTT
AACACTTATGAATTTATCCACACAGGTGAGATGTCCTATAGGCACAACATTTATGAGAAA
GCCTTCAGTCATAGCTTAGACCTTAATAGTATTTTTAGGGTCCATACTAGGGATGAACCC
CATGAATATGAGGAAAATGAGAATGTCTTAAATCAGAGTTCATGTCTTCAAGTCCATCAA
AAAATCCACACTGAAGAGAAAATATACACAGATATAGAGTATGGAAGAGTTCATTGTG
AGTTCAAATCTTGACATTCAGCATAGGGTTCATATGGAAGAGAATTCATATAATTCAG
GAGTGTGGTAATGGCTTCACTCTGGCCTCACATTTTCAGGACCTTCAGATAGTCCACACT
AAGGAACAACCATATAAACGCTATGTGTGTAGTAACAGCTTCAGCCATAATTTACATCTT
CAAGGTATCCAAAAATTCACATTGGAGAGAAACACGTAAGGAGCATGGGAATGGCTTC
AACTGGAGCTCAAACTTAAAGATCATCAGAGAGTCCCACTGGACAGAAGCCATACAAA
TGCAATATATGCGGCAAGGTTTCAATCATAGATCAGTTCTGAATGTTTCATCAGAGAGTC
CACACCGGAGAGAAACCTTATAAATGCGAGGAATGTGATAAGGGATTCAGTCGGAGTTCA
TATCTTCAAGCCATCAGAGAGTCCCACTGGAGAAAAACCTTATAAATGTGAGGAATGT
GGGAAGGGGTTCAAGTCGAAATTCATACCTTCAAGGCCATCAGAGAGTTCACACTGGAGAA
AAACCATACAAGTGTGAGGAGTGTGGGAAGGGCTTCAGTCGGAGTTCACACCTTCAAGGC
CATCAGAGAGTCCCACTGGAGAAAAACCATTCAAATGTGAGGAATGTGGGAAGGGGTTT
AGTTGGAGCTTTAATCTTCAAATTCATCAGAGGGTTTACACAGGAGAAAAACCTATAAA
TGTGAAGAATGTGGTAAAGGCTTCAGTAAGGCCTCAACACTTTTGGCCCATCAGAGGGTC
CACACGGGAGAGAAACCATACCAATGTGATGAGTGTGGTAAGAGTTTCAGTCAGAGATCA
TACCTTCAGAGTCATCAGAGTGTCCATTCTGGAGAAAGACCATATATATGTGAGGTATGT
GGAAAGGGCTTCAGTCAGAGAGCATATCTTCAAGGTTCATCAGAGAGTCCCACTAGAGTG
AAACCGTATAAATGTGAGATGTGTGGGAAGGGCTTTAGTCAGAGTTCGCGCCTTGAAGCA
CATCGGAGGGTTTACACAGGAGGAAACCATACAAATGTGAGGTGTGTACAAAGGGTTTTC
AGTGAGAGTTCACGCCTTCAAGCACACCAAGGGTTTATGTGGAAGGAGACCCTATAAA
TGTGAACAGTGTGGTAAGGGTTTCAAGTCTTCAAGCCATCACAGAGTC
CACACAGGAGAGAAACCATACAAATGTGAGGTATGTGGAAGGGCTTCAGTCAGAGATCA
AATCTTCAGGCTCACCAGAGAGTCCACACAGGAGAGAAACCATACAAATGTGATGCATGT
GGTAAGGGTTTCCGTTGGAGCTCAGGTCTTCTCATTCATCAAGAGTCCATAGTAGTGAT
AAATTCTATAAAGCGAAGACTATGGTAAGGACTACCTTCATCAGAGAATCTACACAGA
AATGAAGATTCTGTTTTGTTTTGA

Clone variation with respect to NM_013380.3
207 a=>g;459 c=>g;804 g=>a;1318 g=>c;1435 t=>c;1626 a=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013380 unedited
 CACTCCTATAGGGCGGCCGCGATTTCGGCACGAGGCTTCCGCCCCAGTACGCTAGGCCGCG
 GCCTTCGTTCTCCAGAAAGGAGATGGTGACATTCAAGGATGTTGCTGTGGTCTTCACT
 GAGGAGGAGCTGGGGCTGCTGGACTCTGTCCAGAGGAAGCTGTACCGAGATGTGATGCTG
 GAGAACTTCAGGAACCTGCTCTTAGTAGCACATCAGCCCTTCAAGCCAGACCTAATATCC
 CAGCTGGAGAGAGAAGAAAGCTTTTGATGGTGGAGACAGAAACCCCAAGGGATGGATGT
 TCAGGAAGGAAGAATCAACAAAAGATGGAGAGTATTCAGGAAGTAACAGTAAGCTACTTT
 TCCCCCAAAGAGCTTCCCTCCCGTCAGACCTGGCAACAAAGTGCAGGTGGGTTAATCAGG
 TGTCAGATTTCTGAAAGTTTTTCAAGGGAAGAATTCTCAGTTGCAAGAACAAGTAAT
 TCCCTCGGCCAGGTTTGGGCAGGAATACCAGTTTCTGAAATAAGACTATATATT
 GACTCATATAGGGAATGGCTCCAATTATTAAGTCAAGGGTATCCATCTTGGAGGGCA
 CATCATCTTGGAGGAAATGATCTGANAGAGTACATATTATCAGGGNAGATGCAGCAAA
 TTTCTGAAAATCATTCTGGNAGTGTGAAGGGGCCAGTTGGCTCTACATCAGATGATAA
 CTTGGAAGTCACAGAAAGAACTACGCTGCTTGTGTGGGAAAAAATTCTTAGAGGTTTC
 TTAATAATTCGGAGCATTCAACAGAGAGAAGCTTCCCTGTCCGGGGTAAAAAGCCCT
 CAAATGCTCANCCTTGGAGTAAACACAGTCCCCGGGAAGGAAACCTTCCACCTCTTGGG
 GAGGGGGGGGAAATAAACCCCTTCTTTTTTCAAATGGGGAAAAAGATGGGAGATCCCCG
 AACCTTCAAGGCCCCAGGAACCCCGGGGGGTGGGGGAACACCCCTCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_013380 unedited
 TTAGCTATGCACCGCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTATTGGG
 ATTTTGACATTTATTAAGAAAGTATTTGTCATCAGTAACCATTTTGGATACTTGCAATAT
 TACAGTAAACTCTGCCTTAATTCACAGGCAGGAGTAGAAAATCAATTATGTAAATAC
 AGTGTTCCATTTTGAACATTAACCAGAAACATTGTTTATCAGTTTGTACTGATATTTA
 AAGTGACACATGGGTACATATACACACACAAAGCTAACTTCAGCAGATGGTATAAT
 GTATAGAGACCAACGTTAAGAAATGCAGCACATCTCTGCTCAAGATGGAACAAAGGGTG
 GGAATAACCCCAATAGGGTTACAATCAAATTAATGTTATTTTCAAGATCATCATAATGCTT
 ATTGTTCTACATTTCAAATATTTACTTGAATGATTTTATTAAGATTACTTGCAGGATTT
 CTCCTCCAAATACATTTTAAGTTTTAAAAATGCGCTTAAAAATTTCAAACCTTTTACCT
 TTACATACTTTTAGTTATTTAGCAAAAAGTACTGAGCACCTACATTGCGTTATGAAATGT
 CCTAGCTTTGTAGACTAGCAATGAACAAAGTCCCTTCTTTCACCAAGCTTACATTTAGA
 GAACATGGATTTAGGCATGCTCATCTACTGTTTATTAATTCCTGACCATACTCATA
 TTTTATAAGCCCTTACCTCCTGTGCAATGACTGATGTTAAAGTTCTAAACAAATCCCTCG
 TGAAACCCCTCCATAAATGTCTTTGTTGGGTGGCCTCTTGGCAATATGATGGTTGAAG
 TTGGCGCACACATCACATTTTATTCTTAATATCCTTTTCCCCGCAAGAACTCTAGGCC
 TGGAACTCTCTTCCCTTCCGGCCTTCAAATAACGAATCTTTCTTCTCGCACACTTCC
 GTATGACGGCCCCCTCCCAN

Restriction Sites:

NotI-NotI

ACCN:

NM_013380

Insert Size:

3670 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_013380.2, NP_037512.2</u>
RefSeq Size:	3658 bp
RefSeq ORF:	2724 bp
Locus ID:	7771
Cytogenetics:	19q13.31
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 3. The resulting isoform (2) is shorter at the N-terminus compared to isoform 3. Variants 2, 4, and 5 all encode the same isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.